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NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
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NEWS 5 NOV 30 PHAR reloaded with additional data
NEWS 6 DEC 01 LISA now available on STN
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 08:16:00 ON 28 DEC 2004

| => FIL STNGUIDE COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---------------------|------------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'STNGUIDE' ENTERED AT 08:16:03 ON 28 DEC 2004
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 17, 2004 (20041217/UP).

| => FIL MEDLINE CAPLUS | SINCE FILE | TOTAL |
|-----------------------|------------|---------|
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.06 | 0.27 |

FILE 'MEDLINE' ENTERED AT 08:16:18 ON 28 DEC 2004

FILE 'CAPLUS' ENTERED AT 08:16:18 ON 28 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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=> m"embrane bound"
M"EMBRANE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s membrane bound"
MISMATCHED QUOTE 'BOUND'"
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s "membrane bound"
L1 49035 "MEMBRANE BOUND"

=> s l1 and structure
L2 6121 L1 AND STRUCTURE

=> s l2 and helix
L3 391 L2 AND HELIX

=> s l3 and simulation
L4 16 L3 AND SIMULATION

=> d 1-16

L4 ANSWER 1 OF 16 MEDLINE on STN
AN 2002443920 MEDLINE
DN PubMed ID: 12202353
TI Molecular dynamics investigation of **membrane-bound**
bundles of the channel-forming transmembrane domain of viral protein U
from the human immunodeficiency virus HIV-1.
AU Lopez Carlos F; Montal Mauricio; Blasie J Kent; Klein Michael L; Moore
Preston B
CS Department of Chemistry, University of Pennsylvania, Philadelphia,
Pennsylvania 19104-6323 USA.
NC P01GM56538 (NIGMS)
SO Biophysical journal, (2002 Sep) 83 (3) 1259-67.
Journal code: 0370626. ISSN: 0006-3495.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200303
ED Entered STN: 20020831
Last Updated on STN: 20030319

Entered Medline: 20030318

L4 ANSWER 2 OF 16 MEDLINE on STN
AN 1999157859 MEDLINE
DN PubMed ID: 10048299
TI Viral ion channels: molecular modeling and simulation.
AU Sansom M S; Forrest L R; Bull R
CS Department of Biochemistry, University of Oxford, UK.. mark@biop.ox.ac.uk
SO BioEssays : news and reviews in molecular, cellular and developmental
biology, (1998 Dec) 20 (12) 992-1000. Ref: 71
Journal code: 8510851. ISSN: 0265-9247.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals; AIDS
EM 199903
ED Entered STN: 19990326
Last Updated on STN: 19990326
Entered Medline: 19990316

L4 ANSWER 3 OF 16 MEDLINE on STN
AN 97392441 MEDLINE
DN PubMed ID: 9237913
TI fd coat protein structure in membrane environments: structural
dynamics of the loop between the hydrophobic trans-membrane helix
and the amphipathic in-plane helix.
AU Almeida F C; Opella S J
CS Department of Chemistry, University of Pennsylvania, Philadelphia
19104-6323, USA.
NC R01AI20770 (NIAID)
R37GM24266 (NIGMS)
SO Journal of molecular biology, (1997 Jul 18) 270 (3) 481-95.
Journal code: 2985088R. ISSN: 0022-2836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199708
ED Entered STN: 19970908
Last Updated on STN: 19970908
Entered Medline: 19970826

L4 ANSWER 4 OF 16 MEDLINE on STN
AN 93188025 MEDLINE
DN PubMed ID: 8445658
TI Refined 1.8 Å X-ray crystal structure of astacin, a.
zinc-endopeptidase from the crayfish *Astacus astacus* L. Structure
determination, refinement, molecular structure and comparison
with thermolysin.
AU Gomis-Ruth F X; Stocker W; Huber R; Zwilling R; Bode W
CS Max-Planck-Institut fur Biochemie, Martinsried, Germany.
SO Journal of molecular biology, (1993 Feb 20) 229 (4) 945-68.
Journal code: 2985088R. ISSN: 0022-2836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199304
ED Entered STN: 19930416
Last Updated on STN: 20000303
Entered Medline: 19930406

L4 ANSWER 5 OF 16 MEDLINE on STN
AN 93144622 MEDLINE
DN PubMed ID: 1283347
TI Modeling the ion channel **structure** of cecropin.
AU Durell S R; Raghunathan G; Guy H R
CS Laboratory of Mathematical Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20892.
SO Biophysical journal, (1992 Dec) 63 (6) 1623-31.
Journal code: 0370626. ISSN: 0006-3495.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199303
ED Entered STN: 19930312
Last Updated on STN: 19960129
Entered Medline: 19930301

L4 ANSWER 6 OF 16 MEDLINE on STN
AN 89264420 MEDLINE
DN PubMed ID: 3074305
TI Role of primary and secondary protein **structure** in neurotransmitter receptor activation mechanisms.
AU Mercier G A Jr; Osman R; Weinstein H
CS Department of Pharmacology, Mount Sinai School of Medicine, New York, NY 10029.
NC 5-T32-GM7280-08 (NIGMS)
DA-00060 (NIDA)
DA-01875 (NIDA)
SO Protein engineering, (1988 Oct) 2 (4) 261-70. Ref: 85
Journal code: 8801484. ISSN: 0269-2139.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 198907
ED Entered STN: 19900309
Last Updated on STN: 20000303
Entered Medline: 19890703

L4 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:264156 CAPLUS
DN 139:175344
TI Analysis of local conformation of **membrane-bound** and polycrystalline peptides by two-dimensional slow-spinning rotor-synchronized MAS exchange spectroscopy
AU Gabrys, Charles M.; Yang, Jun; Weliky, David P.
CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA
SO Journal of Biomolecular NMR (2003), 26(1), 49-68
CODEN: JBNME9; ISSN: 0925-2738
PB Kluwer Academic Publishers
DT Journal
LA English
RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:959374 CAPLUS
DN 138:165977
TI FTIR and fluorescence studies of interactions of synaptic fusion proteins in polymer-supported bilayers

AU Zhao, Jiang; Tamm, Lukas K.
CS Department of Molecular Physiology and Biological Physics, University of
Virginia, Charlottesville, VA, 22908-0736, USA
SO Langmuir (2003), 19(5), 1838-1846
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English

RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:694671 CAPLUS
DN 138:85155
TI Molecular dynamics investigation of **membrane-bound**
bundles of the channel-forming transmembrane domain of viral protein U
from the human immunodeficiency virus HIV-1
AU Lopez, Carlos F.; Montal, Mauricio; Blasie, J. Kent; Klein, Michael L.;
Moore, Preston B.
CS Department of Chemistry, University of Pennsylvania, Philadelphia, PA,
19104-6323, USA
SO Biophysical Journal (2002), 83(3), 1259-1267
CODEN: BIOJAU; ISSN: 0006-3495
PB Biophysical Society
DT Journal
LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:403320 CAPLUS
DN 137:165664
TI Determination of membrane peptide orientation by ¹H-detected ²H NMR
spectroscopy
AU Yamaguchi, Satoru; Hong, Mei
CS Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SO Journal of Magnetic Resonance (2002), 155(2), 244-250
CODEN: JMARF3; ISSN: 1090-7807
PB Elsevier Science
DT Journal
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:241806 CAPLUS
DN 136:305811
TI Conformational mapping of the N-terminal peptide of HIV-1 gp41 in membrane
environments using ¹³C-enhanced Fourier transform infrared spectroscopy
AU Gordon, Larry M.; Mobley, Patrick W.; Pilpa, Rosemarie; Sherman, Mark A.;
Waring, Alan J.
CS Department of Pediatrics, Research and Education Institute,
Harbor-University of California at Los Angeles Medical Center, Torrance,
CA, 90502-2064, USA
SO Biochimica et Biophysica Acta (2002), 1559(2), 96-120
CODEN: BBACAQ; ISSN: 0006-3002
PB Elsevier Science B.V.
DT Journal
LA English

RE.CNT 106 THERE ARE 106 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:799071 CAPLUS

DN 134:71887
TI Modeling of peptides in implicit membrane-mimetic media
AU Efremov, Roman G.; Nolde, Dmitry E.; Volynsky, Pavel E.; Arseniev, Alexander S.
CS M. M. Shemyakin and Yu. A. Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, 117871, Russia
SO Molecular Simulation (2000), 24(4-6), 275-291
CODEN: MOSIEA; ISSN: 0892-7022
PB Gordon & Breach Science Publishers
DT Journal
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:755006 CAPLUS
DN 130:151628
TI Molecular simulation of the primary and secondary structures of the A β (1-42)-peptide of Alzheimer's disease
AU Mager, Peter P.
CS Research Group of Pharmacochemistry, Institute of Pharmacology and Toxicology of the University, Saxony, D-04107, Germany
SO Medicinal Research Reviews (1998), 18(6), 403-430
CODEN: MRREDD; ISSN: 0198-6325
PB John Wiley & Sons, Inc.
DT Journal; General Review
LA English
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:27932 CAPLUS
DN 122:46681
TI Three-dimensional models of the D1 and D2 dopamine receptors
AU Hutchins, Charles
CS Dep. Struct. Biol., Abbott Lab., Abbott Park, IL, 60064, USA
SO Endocrine Journal (Basingstoke, United Kingdom) (1994), 2(1), 7-23
CODEN: EDJUE6; ISSN: 0969-711X
DT Journal
LA English

L4 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:250062 CAPLUS
DN 118:250062
TI Molecular dynamics simulation of P_f1 coat protein
AU Tobias, Douglas J.; Klein, Michael L.; Opella, Stanley J.
CS Dep. Chem., Univ. Pennsylvania, Philadelphia, PA, 19104-6323, USA
SO Biophysical Journal (1993), 64(3), 670-5
CODEN: BIOJAU; ISSN: 0006-3495
DT Journal
LA English

L4 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1989:51401 CAPLUS
DN 110:51401
TI Role of primary and secondary protein structure in neurotransmitter receptor activation mechanisms
AU Mercier, Gustavo A., Jr.; Osman, Roman; Weinstein, Harel
CS Dep. Pharmacol., Mount Sinai Sch. Med., New York, NY, 10029, USA
SO Protein Engineering (1988), 2(4), 261-70
CODEN: PRENE9; ISSN: 0269-2139
DT Journal
LA English

| | | |
|-----------------------|------------|---------|
| => FIL MEDLINE CAPLUS | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 26.46 | 26.73 |

FILE 'MEDLINE' ENTERED AT 08:25:16 ON 28 DEC 2004

FILE 'CAPLUS' ENTERED AT 08:25:16 ON 28 DEC 2004
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| | | |
|----------------------|------------|---------|
| => FIL MEDLINE | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.82 | 27.55 |

FILE 'MEDLINE' ENTERED AT 08:25:22 ON 28 DEC 2004

FILE LAST UPDATED: 25 DEC 2004 (20041225/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary. See <http://www.nlm.nih.gov/mesh/> and http://www.nlm.nih.gov/pubs/techbull/nd03/nd03_mesh.html for a description of changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s "membrane bound"
      596077 "MEMBRANE"
      161559 "BOUND"
L5      21409 "MEMBRANE BOUND"
          ("MEMBRANE" (W) "BOUND")

=> s l1 and helix and simulation
      33749 HELIX
      61112 SIMULATION
L6      7 L1 AND HELIX AND SIMULATION
```

=> d 1-7

```
L6      ANSWER 1 OF 7      MEDLINE on STN
AN      2002443920      MEDLINE
DN      PubMed ID: 12202353
TI      Molecular dynamics investigation of membrane-bound
bundles of the channel-forming transmembrane domain of viral protein U
from the human immunodeficiency virus HIV-1.
AU      Lopez Carlos F; Montal Mauricio; Blasie J Kent; Klein Michael L; Moore
Preston B
CS      Department of Chemistry, University of Pennsylvania, Philadelphia,
Pennsylvania 19104-6323 USA.
NC      P01GM56538 (NIGMS)
SO      Biophysical journal, (2002 Sep) 83 (3) 1259-67.
Journal code: 0370626. ISSN: 0006-3495.
CY      United States
DT      Journal; Article; (JOURNAL ARTICLE)
LA      English
FS      Priority Journals
```

EM 200303
ED Entered STN: 20020831
Last Updated on STN: 20030319
Entered Medline: 20030318

L6 ANSWER 2 OF 7 MEDLINE on STN
AN 1999174262 MEDLINE
DN PubMed ID: 10074693
TI Interactions of alpha-helices with lipid bilayers: a review of simulation studies.
AU Biggin P C; Sansom M S
CS Salk Institute for Biological Studies, La Jolla, CA 92109, USA.
SO Biophysical chemistry, (1999 Feb 22) 76 (3) 161-83. Ref: 152
Journal code: 0403171. ISSN: 0301-4622.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 199903
ED Entered STN: 19990413
Last Updated on STN: 20000303
Entered Medline: 19990329

L6 ANSWER 3 OF 7 MEDLINE on STN
AN 1999157859 MEDLINE
DN PubMed ID: 10048299
TI Viral ion channels: molecular modeling and simulation.
AU Sansom M S; Forrest L R; Bull R
CS Department of Biochemistry, University of Oxford, UK.. mark@biop.ox.ac.uk
SO BioEssays : news and reviews in molecular, cellular and developmental biology, (1998 Dec) 20 (12) 992-1000. Ref: 71
Journal code: 8510851. ISSN: 0265-9247.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals; AIDS
EM 199903
ED Entered STN: 19990326
Last Updated on STN: 19990326
Entered Medline: 19990316

L6 ANSWER 4 OF 7 MEDLINE on STN
AN 97392441 MEDLINE
DN PubMed ID: 9237913
TI fd coat protein structure in membrane environments: structural dynamics of the loop between the hydrophobic trans-membrane helix and the amphipathic in-plane helix.
AU Almeida F C; Opella S J
CS Department of Chemistry, University of Pennsylvania, Philadelphia 19104-6323, USA.
NC R01AI20770 (NIAID)
R37GM24266 (NIGMS)
SO Journal of molecular biology, (1997 Jul 18) 270 (3) 481-95.
Journal code: 2985088R. ISSN: 0022-2836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199708
ED Entered STN: 19970908

Last Updated on STN: 19970908
Entered Medline: 19970826

L6 ANSWER 5 OF 7 MEDLINE on STN
AN 93188025 MEDLINE
DN PubMed ID: 8445658
TI Refined 1.8 Å X-ray crystal structure of astacin, a zinc-endopeptidase from the crayfish *Astacus astacus* L. Structure determination, refinement, molecular structure and comparison with thermolysin.
AU Gomis-Ruth F X; Stocker W; Huber R; Zwilling R; Bode W
CS Max-Planck-Institut fur Biochemie, Martinsried, Germany.
SO *Journal of molecular biology*, (1993 Feb 20) 229 (4) 945-68.
Journal code: 2985088R. ISSN: 0022-2836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199304
ED Entered STN: 19930416
Last Updated on STN: 20000303
Entered Medline: 19930406

L6 ANSWER 6 OF 7 MEDLINE on STN
AN 93144622 MEDLINE
DN PubMed ID: 1283347
TI Modeling the ion channel structure of cecropin.
AU Durell S R; Raghunathan G; Guy H R
CS Laboratory of Mathematical Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20892.
SO *Biophysical journal*, (1992 Dec) 63 (6) 1623-31.
Journal code: 0370626. ISSN: 0006-3495.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199303
ED Entered STN: 19930312
Last Updated on STN: 19960129
Entered Medline: 19930301

L6 ANSWER 7 OF 7 MEDLINE on STN
AN 89264420 MEDLINE
DN PubMed ID: 3074305
TI Role of primary and secondary protein structure in neurotransmitter receptor activation mechanisms.
AU Mercier G A Jr; Osman R; Weinstein H
CS Department of Pharmacology, Mount Sinai School of Medicine, New York, NY 10029.
NC 5-T32-GM7280-08 (NIGMS)
DA-00060 (NIDA)
DA-01875 (NIDA)
SO *Protein engineering*, (1988 Oct) 2 (4) 261-70. Ref: 85
Journal code: 8801484. ISSN: 0269-2139.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 198907
ED Entered STN: 19900309
Last Updated on STN: 20000303
Entered Medline: 19890703